## SEQUENCE LISTING (1) GENERAL INFORMATION (i) APPLICANT: Dasseux, Jean-Louis Sekul, Renate Buttner, Klaus Cornut, Isabelle Metz, Gunther (ii) TITLE OF THE INVENTION: APOLIPOPROTEIN A-I AGONISTS AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS (iii) NUMBER OF SEQUENCES: 254 (iv) CORRESPONDENCE ADDRESS: (A) ADDRESSEE: Pennie & Edmonds LLP (B) STREET: 1155 Avenue of the Americas (C) CITY: New York (D) STATE: NY (E) COUNTRY: USA (F) ZIP: 10036-2811 (v) COMPUTER READABLE FORM: (A) MEDIUM TYPE: Diskette (B) COMPUTER: IBM Compatible (C) OPERATING SYSTEM: DOS (D) SOFTWARE: FastSEQ Version 2.0 (vi) CURRENT APPLICATION DATA: (A) APPLICATION NUMBER: 08/940,093 (B) FILING DATE: 29-SEP-1997 (C) CLASSIFICATION: (vii) PRIOR APPLICATION DATA: (A) APPLICATION NUMBER: (B) FILING DATE: (viii) ATTORNEY/AGENT INFORMATION: (A) NAME: Coruzzi, Laura A (B) REGISTRATION NUMBER: 30,742 (C) REFERENCE/DOCKET NUMBER: 009196-0006-999 (ix) TELECOMMUNICATION INFORMATION: (A) TELEPHONE: 650-493-4935 (B) TELEFAX: 650-493-5556 (C) TELEX: 66141 PENNIE (2) INFORMATION FOR SEQ ID NO:1: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 16 (D) OTHER INFORMATION: Xaa = Naphthylalanine -129-

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Xaa Leu Lys Gln Lys Leu Lys 1 (2) INFORMATION FOR SEQ ID NO:2: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2: Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys Lys 20 (2) INFORMATION FOR SEQ ID NO:3: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Trp Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:4: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:5: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear -130-

(ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1 (D) OTHER INFORMATION: Xaa = D-Pro (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5: Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys Lys 20 (2) INFORMATION FOR SEQ ID NO:6: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:7: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7: Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:8: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:9: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9: Pro Val Leu Asp Leu Phe Arg Glu Leu Gly Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:10: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 17 (D) OTHER INFORMATION: Xaa = Naphthylalanine (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Xaa Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:11: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11: Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:12: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid -132-

(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Gly Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:13: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13: Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:14: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 18 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 20 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 22 (D) OTHER INFORMATION: Xaa = Orn (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Xaa Gln Xaa Leu Xaa 20 (2) INFORMATION FOR SEQ ID NO:15: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid -133-

(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15: Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:16: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16: Pro Val Leu Asp Leu Leu Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:17: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17: Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:18: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18: Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:19: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids -134-

(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1 (D) OTHER INFORMATION: Xaa = D-Pro (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19: Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:20: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:20: Pro Val Leu Asp Leu Phe Arg Glu Gly Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:21: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1 (D) OTHER INFORMATION: Xaa = D-Pro (xi) SEQUENCE DESCRIPTION: SEQ ID NO:21: Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:22: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear -135-

(ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:22: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Gly Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:23: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:23: Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:24: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:24: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:25: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:25: Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:26: -136-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:26: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Leu Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:27: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 14 (D) OTHER INFORMATION: Xaa = Naphthylalanine (xi) SEQUENCE DESCRIPTION: SEQ ID NO:27: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Xaa Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:28: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:28: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Glu Ala 5 Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:29: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:29: -137Ala Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:30: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 (D) OTHER INFORMATION: N-terminal dansylated peptide (xi) SEQUENCE DESCRIPTION: SEQ ID NO:30: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:31: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:31: Pro Val Leu Asp Leu Phe Leu Glu Leu Leu Asn Glu Xaa Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:32: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1 (D) OTHER INFORMATION: Xaa = Aib -138-

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:32: Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:33: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:33: Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:34: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 5 (D) OTHER INFORMATION: Xaa = Naphthylalanine (xi) SEQUENCE DESCRIPTION: SEQ ID NO:34: Pro Val Leu Asp Xaa Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:35: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:35: Pro Val Leu Asp Trp Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:36: (i) SEQUENCE CHARACTERISTICS: -139-

(A) LENGTH: 22 amino acids(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:36: Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:37: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:37: Pro Val Leu Asp Leu Phe Arg Glu Trp Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:38: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:38: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala 5 Trp Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:39: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:39: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Leu Lys Ala Leu Lys Lys Leu Lys 20

## (2) INFORMATION FOR SEQ ID NO:40:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:

Pro Val Leu Asp Leu Phe Asn Glu Leu Leu Arg Glu Leu Leu Glu Ala Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:41:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:41:

Pro Val Leu Asp Leu Trp Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:42:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:42:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Trp Glu Ala 5 Leu Lys Gln Lys Leu Lys

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(2) INFORMATION FOR SEQ ID NO:43: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:43: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Trp Glu Xaa Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:44: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (D) OTHER INFORMATION: All genetically encoded amino acids are in the D-configuration (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:44: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 5 1 Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:45: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib -142-

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:45: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:46: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:46: Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 10 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:47: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:47: Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala Leu 10 Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:48: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1 (D) OTHER INFORMATION: Xaa = D-Pro (A) NAME/KEY: Other
(B) LOCATION: 2
(D) OTHER INFORMATION: Xaa = D-Val -143-

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:48: Xaa Xaa Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:49: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:49: Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Lys Leu Leu Glu Ala Leu Glu Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:50: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:50: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Trp Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:51: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:51: Pro Val Leu Asp Leu Phe Trp Glu Leu Leu Asn Glu Xaa Leu Glu Ala 1 -144Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:52: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:52: Pro Val Trp Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:53: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:53: Val Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:54: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:54: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Trp Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:55: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear -145-

(ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:55: Pro Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln 5 Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:56: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:56: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Lys Lys 20 (2) INFORMATION FOR SEQ ID NO:57: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:57: Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Lys Ala Leu Glu Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:58: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib

- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:58:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu

(2) INFORMATION FOR SEQ ID NO:59:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:59: Leu Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:60: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:60: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln (2) INFORMATION FOR SEQ ID NO:61: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:61: Pro Val Leu Asp Glu Phe Arg Trp Lys Leu Asn Glu Xaa Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:62: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other -147-

(B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:62: Pro Val Leu Asp Glu Trp Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:63: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:63: Pro Val Leu Asp Phe Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:64: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:64: Pro Trp Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:65: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: -148-

(A) NAME/KEY: Other (B) LOCATION: 12 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:65: Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:66: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:66: Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Glu Ala 1 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:67: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:67: Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:68: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:68: Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Lys Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys -149Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:72:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

  - (A) NAME/KEY: Other
    (B) LOCATION: 13
    (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:72:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Trp Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:73:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other (B) LOCATION: 13

  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:73:

Pro Val Leu Asp Glu Phe Trp Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:74:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:74:

Pro Val Leu Asp Lys Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:75: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (E) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:75: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala

Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:76:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:76:

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Phe Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:77:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:77:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Lys Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

(2) INFORMATION FOR SEQ ID NO:78: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:78: Pro Val Leu Asp Glu Phe Arg Asp Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:79: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:79: Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:80: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:80: Pro Val Leu Asp Leu Phe Glu Arg Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:81: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: -153-

(A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:81: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Trp Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:82: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 11 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:82: Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:83: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:83: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 10 5 Leu Trp Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:84: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None -154-

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:84: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:85: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:85: Pro Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu 10 Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:86: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:86: Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Asp Glu Leu Leu Asn Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:87: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22
(D) OTHER INFORMATION: All amino acids are in the D-configuration (xi) SEQUENCE DESCRIPTION: SEQ ID NO:87: Pro Leu Leu Glu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala 10 Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:88: (i) SEQUENCE CHARACTERISTICS: -155-

(A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other(B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:88: Pro Val Leu Asp Lys Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:89: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other(B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:89: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Trp Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:90: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 amino acids(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 10 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:90: Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln 10 Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:91: -156-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:91: Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:92: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:92: Pro Val Leu Asp Glu Phe Arg Glu Leu Tyr Asn Glu Xaa Leu Glu Ala 5 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:93: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:93: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Lys Ala 5 Leu Lys Gln Lys Leu Lys 20 -157-

(2) INFORMATION FOR SEQ ID NO:94: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:94: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Ala Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:95: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:95: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala 10 5 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:96: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 (D) OTHER INFORMATION: All genetically encoded amino acids are in the D-configuration (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:96: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 -158-

(2) INFORMATION FOR SEQ ID NO:97: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:97: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu 5 (2) INFORMATION FOR SEQ ID NO:98: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:98: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala 10 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:99: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:99: Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg Phe Leu Asp Leu Val Pro 20 (2) INFORMATION FOR SEQ ID NO:100: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 (D) OTHER INFORMATION: All amino acids are in the D-configuration (xi) SEQUENCE DESCRIPTION: SEQ ID NO:100: -159Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:101: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 13
- (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:101:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Trp Xaa Leu Glu Ala 5 1 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:102:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:102:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala 5 1 Leu Lys Glu Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:103:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:103:

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20

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(2) INFORMATION FOR SEQ ID NO:104: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:104: Pro Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:105: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:105: Pro Ala Ala Asp Ala Phe Arg Glu Ala Ala Asn Glu Ala Ala Glu Ala Ala Lys Gln Lys Ala Lys 20 (2) INFORMATION FOR SEQ ID NO:106: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:106: Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:107: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (D) OTHER INFORMATION: All amino acids are in the D-configuration (xi) SEQUENCE DESCRIPTION: SEQ ID NO:107: -161Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg Phe Leu Asp Leu Val Pro (2) INFORMATION FOR SEQ ID NO:108: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:108: Pro Val Leu Asp Leu Phe Arg Trp Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:109: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:109: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Arg Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:110: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (A) NAME/KEY: Other (B) LOCATION: 14 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:110: -162Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Xaa Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:111: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None

- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:111:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Trp Glu Xaa Trp Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:112:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:112:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Ser Glu Ala Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:113:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:113:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Pro Leu Glu Ala 10 Leu Lys Gln Lys Leu Lys 20

(2) INFORMATION FOR SEQ ID NO:114: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:114: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Met Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:115: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:115: Pro Lys Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:116: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:116: Pro His Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 10 Leu Lys Gln Lys Leu Lys -1641 5 Xaa Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:120:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 16
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:120:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Xaa 1 5 10 15 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:121:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:121:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala 1 5 10 15 Leu Trp Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:122:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:122:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Trp

1 5 10 15

Leu Lys Gln Lys Leu Lys
20

- (2) INFORMATION FOR SEQ ID NO:123:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single

(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:123: Gln Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:124: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 18 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 20 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 22 (D) OTHER INFORMATION: Xaa = Orn (xi) SEQUENCE DESCRIPTION: SEQ ID NO:124: Pro Val Leu Asp Leu Phe Xaa Glu Leu Leu Asn Glu Leu Leu Glu Ala 1 Leu Xaa Gln Xaa Leu Xaa 20 (2) INFORMATION FOR SEQ ID NO:125: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:125: Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 10 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:126: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single -167-

(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:126: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Gly Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:127: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:127: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Leu Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:128: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:128: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Phe Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:129: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:129: Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala 10 Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:130: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid -168-

(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:130: Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:131: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:131: Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Asn Glu Leu Leu Asp Ala Leu Arg Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:132: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:132: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Asn Leu Leu Glu Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:133: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:133: Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Gln Ala 5 Leu Asn Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:134: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids -169-

(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:134: Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Lys Ala Leu Asn Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:135: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:135: Asp Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:136: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:136: Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:137: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 17
(D) OTHER INFORMATION: Xaa = Naphthylalanine (xi) SEQUENCE DESCRIPTION: SEQ ID NO:137: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala -170Xaa Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:138: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:138: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Trp Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:139: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:139: Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Asn Glu Gly Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:140: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 18 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 20 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 22 (D) OTHER INFORMATION: Xaa = Orn (xi) SEQUENCE DESCRIPTION: SEQ ID NO:140: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala -171Leu Xaa Gln Xaa Leu Xaa 20 (2) INFORMATION FOR SEQ ID NO:141: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:141: Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala 10 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:142: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:142: Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:143: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated peptide (xi) SEQUENCE DESCRIPTION: SEQ ID NO:143: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:144: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear -172-

(ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1 (D) OTHER INFORMATION: Xaa = D-Pro (xi) SEQUENCE DESCRIPTION: SEQ ID NO:144: Xaa Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:145: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:145: Gly Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:146: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:146: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:147: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:147: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Phe Asp Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:148: -173-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:148: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Gly Asp Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:149: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:149: Pro Val Leu Glu Leu Phe Glu Asn Leu Trp Glu Arg Leu Leu Asp Ala 10 5 Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:150: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:150: Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 5 1 Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:151: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:151: Pro Val Leu Glu Leu Phe Glu Asn Leu Gly Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:152: -174-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:152: Pro Val Phe Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:153: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:153: Ala Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 5 1 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:154: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:154: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Gly Leu Asp Ala 5 1 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:155: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:155: Pro Val Leu Glu Leu Phe Leu Asn Leu Trp Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:156: -175-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:156: Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:157: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:157: Pro Val Leu Glu Phe Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:158: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:158: Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Trp 1 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:159: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:159: Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:160: -176-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:160: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Trp 10 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:161: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:161: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:162: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:162: Pro Val Leu Glu Leu Phe Glu Asn Trp Leu Glu Arg Leu Leu Asp Ala 10 5 Leu Gln Lys Lys Leu Lys 2.0 (2) INFORMATION FOR SEQ ID NO:163: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:163: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Trp Asp Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:164: -177-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:164: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Trp Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:165: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:165: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Leu 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:166: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166: Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Lys Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:167: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167: Pro Val Leu Glu Leu Phe Glu Asn Gly Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:168: -178-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:168: Pro Val Leu Glu Leu Phe Glu Gln Leu Leu Glu Lys Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:169: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:169: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Ala 10 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:170: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 12 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 19 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 20
(D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 22 (D) OTHER INFORMATION: Xaa = Orn (xi) SEQUENCE DESCRIPTION: SEQ ID NO:170: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Xaa Leu Leu Asp Ala 5 -179Leu Gln Xaa Xaa Leu Xaa 20 (2) INFORMATION FOR SEQ ID NO:171: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:171: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Leu Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:172: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:172: Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Gly Asp Ala 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:173: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:173: Pro Val Leu Asp Leu Phe Asp Asn Leu Leu Asp Arg Leu Leu Asp Leu Leu Asn Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:174: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 -180-

(D) OTHER INFORMATION: All amino acids are in the D-configuration (xi) SEQUENCE DESCRIPTION: SEQ ID NO:174: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:175: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:175:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Leu 10 5 Leu Asn Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:176:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:176:

Pro Val Leu Glu Leu Trp Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:177:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:177:

Gly Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:178:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single

(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178: Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Lys Leu Leu Glu Ala Leu Gln Lys Lys Leu Arg (2) INFORMATION FOR SEQ ID NO:179: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:179: Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:180: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:180: Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Arg 20 (2) INFORMATION FOR SEQ ID NO:181: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:181: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Trp Leu Asp Ala 5 Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:182: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid -182-

(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:182: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Glu Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:183: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:183: Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Ala 10 1 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:184: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:184: Pro Val Leu Glu Leu Phe Leu Asn Leu Clu Arg Leu Leu Asp Ala 5 Trp Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:185: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 19 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 20 (D) OTHER INFORMATION: Xaa = Orn -183-

(A) NAME/KEY: Other (B) LOCATION: 22 (D) OTHER INFORMATION: Xaa = Orn (xi) SEQUENCE DESCRIPTION: SEQ ID NO:185: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 Leu Gln Xaa Xaa Leu Xaa 20 (2) INFORMATION FOR SEQ ID NO:186: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:186: Pro Val Leu Glu Leu Phe Glu Gln Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:187: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:187: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 Leu Asn Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:188: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:188: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Asp Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:189: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids -184-

(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:189: Asp Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:190: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:190: Pro Val Leu Glu Phe Trp Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Arg 20 (2) INFORMATION FOR SEQ ID NO:191: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:191: Pro Val Leu Asp Leu Leu Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:192: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and -185-

## C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:192: Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:193: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None

- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:193:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:194:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
  (ix) FEATURE:
- - (A) NAME/KEY: Other

  - (B) LOCATION: 1...18
    (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:194:

Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:195:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other

(B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:195: Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 Leu Lys (2) INFORMATION FOR SEQ ID NO:196: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:196: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Asn Lys 5 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:197: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:197: Pro Leu Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 5 Leu Lys (2) INFORMATION FOR SEQ ID NO:198: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: -187-

(A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:198: Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:199: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:199: Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Glu Glu Leu Lys Gln Lys 10 1 5 Leu Lys (2) INFORMATION FOR SEQ ID NO:200: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:200: Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 5 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:201: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None -188-

## (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:201: Pro Leu Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 Leu Lys (2) INFORMATION FOR SEQ ID NO:202: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:202: Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Lys 1 Leu Arg (2) INFORMATION FOR SEQ ID NO:203: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:203: Ala Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 1 5 Leu Lys (2) INFORMATION FOR SEQ ID NO: 204: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear -189-

(ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:204: Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 1 5 Leu Lys (2) INFORMATION FOR SEQ ID NO:205: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other
(B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:205: Pro Val Leu Asp Leu Phe Arg Glu Trp Leu Glu Glu Leu Lys Gln Lys 10 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:206: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:206: Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:207: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single -190-

(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:207: Pro Val Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:208: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other
(B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:208: Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Arg 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:209: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:209: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:210: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None -191-

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:210: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 Leu Lys (2) INFORMATION FOR SEQ ID NO:211: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (A) NAME/KEY: Other (B) LOCATION: 14 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 16 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 18 (D) OTHER INFORMATION: Xaa = Orn (xi) SEQUENCE DESCRIPTION: SEQ ID NO:211: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Xaa Gln Xaa Leu Xaa (2) INFORMATION FOR SEQ ID NO:212: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other(B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (A) NAME/KEY: Other
(B) LOCATION: 7 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other -192-

(2) INFORMATION FOR SEQ ID NO:215: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18(D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:215: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Trp Lys Gln Lys 10 Leu Lys (2) INFORMATION FOR SEQ ID NO:216: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:216: Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys ٦ Leu Lys (2) INFORMATION FOR SEQ ID NO:217: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:217: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Leu Leu Lys Gln Lys 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:218: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: -194-

(A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:218: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:219: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:219: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Gln Lys 5 Leu Lys (2) INFORMATION FOR SEQ ID NO:220: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:220: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Gln Lys Lys 10 Leu Lys (2) INFORMATION FOR SEQ ID NO:221: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:221: Asp Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 5 1 Leu Lys -195-

(2) INFORMATION FOR SEQ ID NO:222: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:222: Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Leu Gln Leu 5 10 Lys Lys (2) INFORMATION FOR SEQ ID NO:223: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:223: Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Ala Gln Leu 5 Lys Lys (2) INFORMATION FOR SEQ ID NO:224: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:224: Pro Val Leu Asp Leu Phe Arg Glu Gly Trp Glu Glu Leu Lys Gln Lys 10 Leu Lys (2) INFORMATION FOR SEQ ID NO:225: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:225: Pro Val Leu Asp Ala Phe Arg Glu Leu Ala Glu Ala Leu Ala Gln Leu -196-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:229: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Gly Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:230: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:230: Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Gln Lys Lys 1.0 5 Leu Lys (2) INFORMATION FOR SEQ ID NO:231: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:231: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Glu Gln Lys 5 10 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:232: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other -198-

(B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:232: Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys (2) INFORMATION FOR SEQ ID NO:233: (i) SEQUENCE CHARACTERISTICS: (C) STRANDEDNESS: (D) TOPOLOGY:

(ii) MOLECULE TYPE:

(A) LENGTH: (B) TYPE:

Leu Lys

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:233:

This sequence has been intentionally skipped

- (2) INFORMATION FOR SEQ ID NO:234:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH:

  - (B) TYPE: (C) STRANDEDNESS:
  - (D) TOPOLOGY:
- (ii) MOLECULE TYPE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:234:

This sequence has been intentionally skipped

- (2) INFORMATION FOR SEQ ID NO:235:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH:
  - (B) TYPE:
  - (C) STRANDEDNESS: (D) TOPOLOGY:
- (ii) MOLECULE TYPE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:235:

This sequence has been intentionally skipped

- (2) INFORMATION FOR SEQ ID NO:236:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH:
  - (B) TYPE:
  - (C) STRANDEDNESS:
  - (D) TOPOLOGY:
- (ii) MOLECULE TYPE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:236:

This sequence has been intentionally skipped (2) INFORMATION FOR SEQ ID NO:237: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:237: Leu Asp Asp Leu Leu Gln Lys Trp Ala Glu Ala Phe Asn Gln Leu Leu Lys Lys (2) INFORMATION FOR SEQ ID NO:238: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:238: Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu 10 Leu Phe (2) INFORMATION FOR SEQ ID NO:239: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:239: Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu 10 1 Leu Phe (2) INFORMATION FOR SEQ ID NO:240: -200-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:240: Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu Ala Phe (2) INFORMATION FOR SEQ ID NO:241: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:241: Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu 1 5 Phe Phe (2) INFORMATION FOR SEQ ID NO:242: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:242: Gly Ile Lys Lys Phe Leu Gly Ser Ile Trp Lys Phe Ile Lys Ala Phe Val Gly (2) INFORMATION FOR SEQ ID NO:243: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:243: -201-

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu Ala Phe (2) INFORMATION FOR SEQ ID NO:244: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:244: Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu 1 10 Ala Phe (2) INFORMATION FOR SEQ ID NO:245: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:245: Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu 1 10 Phe Phe (2) INFORMATION FOR SEQ ID NO:246: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:246: Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu 1 10 Leu Phe (2) INFORMATION FOR SEQ ID NO:247: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:247: -202Asp Trp Phe Lys Ala Phe Tyr Asp Lys Phe Phe Glu Lys Phe Lys Glu 10 Phe Phe

- (2) INFORMATION FOR SEQ ID NO:248:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:248:

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu 1 5 10 Leu Phe

- (2) INFORMATION FOR SEQ ID NO:249:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids(B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other

  - (B) LOCATION: 1...18
    (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:249:

Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Glu Glu Lys Leu Lys Glu 7 10 Leu Phe

- (2) INFORMATION FOR SEQ ID NO:250:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

  - (A) NAME/KEY: Other
    (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:250:

Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu 1 10 Leu Phe

(2) INFORMATION FOR SEQ ID NO:251: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:251: Glu Trp Leu Lys Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu 1 10 Leu Phe (2) INFORMATION FOR SEQ ID NO:252: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...15 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:252: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:253: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...16 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:253: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 5 (2) INFORMATION FOR SEQ ID NO:254: -204-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...16 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:254: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Lys Gln Lys (2) INFORMATION FOR SEQ ID NO:255: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...15 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:255: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Gln Lys 5 (2) INFORMATION FOR SEQ ID NO:256: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...16 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:256: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Ala Leu Lys Gln Lys (2) INFORMATION FOR SEQ ID NO:257: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single -205-

- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
    (B) LOCATION: 1...16

  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:257:

Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Lys Gln Lys

- (2) INFORMATION FOR SEQ ID NO:258:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 16 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

  - (A) NAME/KEY: Other
    (B) LOCATION: 1...16
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:258:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Lys Gln Lys 10